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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re application of:

Richard Rosenbloom

Application No.

10/045,790

Filed: January 14, 2002

For: Oral compositions and Methods For  
Prevention, Reduction And Treatment  
Of Radiation Therapy

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: Group Art Unit:

: 1617

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: Examiner: S.A. Jiang, Ph.D

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: Attorney Docket No.:

: QUIG-1006USCIP

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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37**  
**C.F.R. §1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§1.56 and 1.97 and MPEP §2280, Applicant respectfully submits herewith information, which the Examiner is asked to consider. The documents submitted herewith are listed on the attached Substitute Form PTO 1449 (in duplicate). Enclosed is our check in the amount of \$180.00 for filing of the Information Disclosure Statement. Please credit any overpayment to Deposit Account No. 50-0462.

CERTIFICATE OF MAILING UNDER 37 CFR 1.8

Date: June 14, 2004

I hereby certify that this paper, along with any document or paper referred to as being attached or enclosed, is being sent in a pre-paid envelope first class mail to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

EDNA SCHMITTNER

Name of person sending correspondence

Edna Schmittner

Signature of person sending correspondence

Applicant respectfully requests that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached Substitute PTO 1449 form.

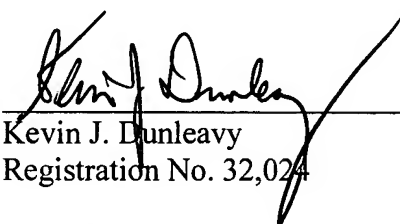
This submission does not represent that a search has been made (37 C.F.R. §1.97(g)) or that no better art exists and does not constitute an admission that each or all of the listed documents are material (37 C.F.R. §1.97(h)) or constitute "prior art." The filing of this information disclosure statement shall not be construed as an admission against interest in any matter. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

If the Examiner applies any document as prior art against any claims in the application and Applicant determined that the cited document does not constitute "prior art" under United States law, Applicant reserves the right to present to the Patent Office the relevant facts and law regarding the appropriate status of such document.

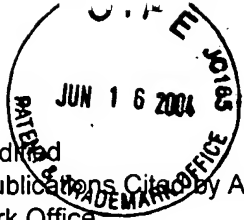
Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed document, should one of the documents be applied against the claims of the present application.

Respectfully submitted,

Date: 6/14/2004

  
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List of Patents and Publications Cited by Applicant  
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Page 1 (Other Documents)

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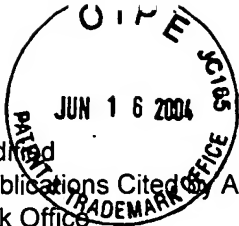
Applicant: Rosenbloom

Docket No.: QUIG-1006USCIP

Examiner Initial	Item No.	Other Documents (Including Author, Title, Date, Location and Pertinent Pages)
	1OD	Pathological Mechanism Of Ionizing Radiation
	2OD	Possible Mechanisms of QR-336 Re: Radioprotection, pages 1-2
	3OD	Walker RI, "Requirements Of Radioprotectors For Military and Emergency Needs", PubMed Abstract, Pharmacol Ther. 1988;39(1-3):13-20
	4OD	Weiss et al., "Protection Against Ionizing Radiation by Antioxidant Nutrients And Phytochemicals, PubMed Abstract, Toxicology. 2003 Jul 15;189(1-2):1-20
	5OD	Packer, et al, "Alpha-Lipoic Acid As A Biological Antioxidant", Free Radical Biology & Medicine, Vol. 19, No. 2, pp. 227-247, 1995
	6OD	Kumar, et al, "Nutritional Approaches to Radioprotection: Vitamin E, PubMed Abstract, Mil Med. 2002 Feb;167(2 Suppl):57-9.
	7OD	Weiss et al., "Radioprotection By Antioxidants", PubMed Abstract, Ann NY Acad Sci. 2000;899:44-60.
	8OD	Petryna, "Effect Of Gamma-Radiation On The Content Of Vitamin E In Rats, PubMed Abstract, Ukr Biokhim Zh. 2002 May-Jun;74(3):104-8.
	9OD	Boloor et al., "Chlorophyllin As A Protector Of Mitochondrial Membranes Against Gamma Radiation And Photosensitization, PubMed Abstract, Toxicology. 2000 Nov. 30;155(1-3):63-71.
	10OD	Kamat et al, "Chlorophyllin As An Effective Antioxidant Against Membrane Damage In Vitro and Ex Vivo, PubMed Abstract, Biochim Biophys Acta. 2000 Sep 27;1487(2-3):113-27.
	11OD	Kumar, et al, "Scavenging Of Reactive Oxygen Species By Chlorophyllin: An ESR Study, PubMed Abstract, Free Radic Res. 2001 Nov;35(5):563-74.
	12OD	Devasagayam et al., "Prevention of Singlet Oxygen-Induced DNA Damage By Lipoate, PubMed Abstract, Chem Biol Interact. 1993 Jan;86(1):79-92,
	13OD	Riley, "Free Radicals In Biology: Oxidative Stress and The Effects Of Ionizing Radiation", PubMed Abstract, Int J Radiat Biol. 1994 Jan;65(1):27-33
	14OD	Brach, et al, "Ionizing Raditation Induces Expression And Binding Activity of The Nuclear Factor Kappa B, PubMedAbstract, J Clin Invest. 1991 Aug; 88(2):691-5.
	15OD	Prasad et al, "Activation Of Nuclear Factor Kappa B In Human Lymphoblastoid Cells By Low-Dose Ionizing Radiation, PubMed Abstract, Radiat Res. 1994 Jun;138(3):367-72
	16OD	Zhou, et al., "A High Dose Of ionizing Radiation Induces Tissue-Specific Activation Of Nuclear Factor-KappaB In vivo, PubMed Abstract, Radiat Res. 1999 Jun;151(6):703-9.
	17OD	Morales-Ramirez et al., "Effect Of Chlorophyllin On Gamma Ray Induced Micronuclei In Polychromatic Erythrocytes Of Murine Peripheral Blood Determined By The ABC Strategy, PubMed Abstract, Mutat Res 1996 Feb;367(2):51-6.
	18OD	Biewenga et al., "The Pharmacology Of The Antioxidant Lipoic Acid", PubMed Abstract, Gen Pharmacol. 1997 Sep;29(3):315-31.
	19OD	Sokoloski et al., "Induction Of the Differentiation Of HL-60 Promyelocytic Leukemia Cells By Vitamin E and Other Antioxidants In Combination With Low Levels Of Vitamin D3: Possible Relationship To NF-KappaB, PubMed Abstract, Leukemia. 1997 Sep;11(9):1546-53.
	20OD	Zimmer, et al., "Influence of Alpha-Lipoic Acid On Intracellular Glutathione In Vitro And In Vivo; 42:6:829-31 (1992).
	21OD	Ramakrishnan et al., "Radioprotection of Hematopoietic Tissues In Mice By Lipoic Acid, Knowledge Express Abstract.

EXAMINER:

DATE CONSIDERED:



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List of Patents and Publications Cited by Applicant  
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Page 2 (Other Documents)

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	22OD	Packer, "Alpha-Lipoic Acid: A Metabolic Antioxidant Which Regulates NF-Kappa B Signal Transduction And Protects Against Oxidative Injury, PubMed Abstract, Drug Metal Rev. 1998 May;30(2):245-75.
	23OD	Munker et al., "A New Series Of vitamin D Analogs Is Highly Active For Clonal Inhibition, Differentiation, And Induction of WAF1 in M Leukemia
	24OD	Jung et al., Pusan Women's Junior College.
	25OD	Packer, "Alpha-Lipoic Acid, 30:2:245-275 (1998)
	26OD	Scott, et al., "Lipoic And Dihydrolipoic Acids As Antioxidants. A Critical Evaluation: 20:2:1 19-33 (1994).
	27OD	Suzuki et al, "Antioxidant Activities Of Dihydrolipoic Acid And Its Structural Homologues: 18:2:115-22 (1933)
	28OD	Suzuki et al., "Alpha-Lipoic Acid Is A Potent Inhibitor of NF-Kappa B Activation In Human T Cells: 189:1709-15 (1992)
	29OD	Iwata et al., "Differential Regulation Of Vitamin D Receptors In Clonal Populations Of A Chronic Myelogenous Leukemia Cell Line, Exp. Cell Res. 1996 May 25;225(1):143-50.
	30OD	Radhika et al., "Induction Of Differentiation In Murine Erythroleukemia Cels By 1 Alpha,25-Dihydroxy Vitamin D3, Cancer Lett. 1995 Apr 14;90(2):225-30.
	31OD	Abraham et al., "Role of Chlorophyllin As An In Vivo Anticlastogen: Protection Against Gamma-Radiation And Chemical Clastogens, PubMed Abstract, Mutat Res 1994 Sep;322(3):209-12.
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